



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/729,540	12/05/2003	Darius Martin Sullivan	081-0003	1918
22120	7590	01/13/2005	EXAMINER	
ZAGORIN O'BRIEN GRAHAM LLP 7600B N. CAPITAL OF TEXAS HWY. SUITE 350 AUSTIN, TX 78731			NGHIEM, MICHAEL P	
			ART UNIT	PAPER NUMBER
			2863	

DATE MAILED: 01/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.



UNITED STATES DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
---------------------------------	-------------	---	---------------------

10/729,540

12/5/2003

SULLIVAN ET AL

081-0003

EXAMINER

MICHAEL NGHIEM

ART UNIT	PAPER
----------	-------

2863

20050107

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

Please find the attached IDS filed on October 22, 2004.

Toda (US 5,838,088) discloses a device for sensing a touch position (Fig. 5) by detecting a phase difference between a phase of a base signal and a phase of an electric signal corresponding to a sensor (column 10, lines 56-57). However, Toda is silent about calculating at least two phase differences between the phase angles of at least two pairs of sensors to determine a contact position.

Wood et al. (US 6,414,673) discloses a device for determining the location of a transmitter pen (Fig. 1) by using the difference in the phase of the arriving output signal (16) at each receiver (20a) and (20b) (column 5, lines 33-36). However, the output signal (16) is transmitted by the pen (30) and not (supported) by the member (14). Wood et al. is also silent about calculating at least two phase differences to determine the pen position.

MICHAEL NGHIEM
PRIMARY EXAMINER

1/7/05